Hazardous, Toxic, & Radioactive Waste Center of Expertise

Environmental Support

2007

Briefing Content

- *Who we are*
- *What we do*
- *Our customers*
- *Our funding sources and mechanisms*
- *How well we perform*

HTRW CX Mission

The HTRW Center of Expertise is a team of responsive, dedicated, innovative professionals supporting USACE, the Army and the Nation's challenging environmental [illegible] *the world. We work with ou customers to attain solutions that benefit and protect the public and the environment.*

HTRW CX
Who we are

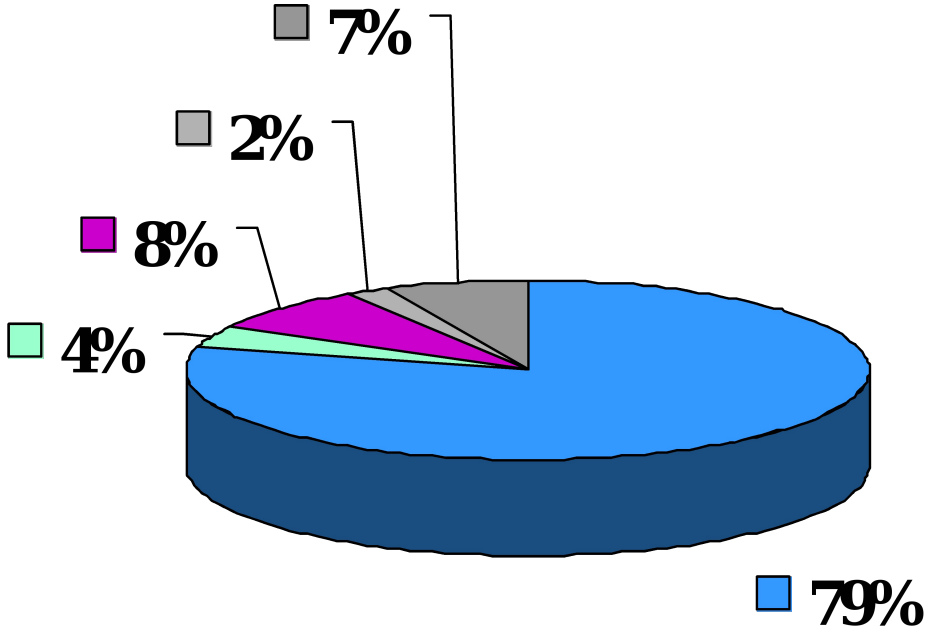
- *A national USACE Asset*
- *Under Operational Control of USACE – Northwestern Division*
- *Assigned to the USACE - Omaha Distric*

HTRW CX
Who we support

- *Corps Headquarters (RITs, PIDs, CoPs)*
- *Corps Divisions (RBCs, DSTs)*
- *Corps Districts*
- *Other Army and DoD agencies*
- *Other Federal agencies*

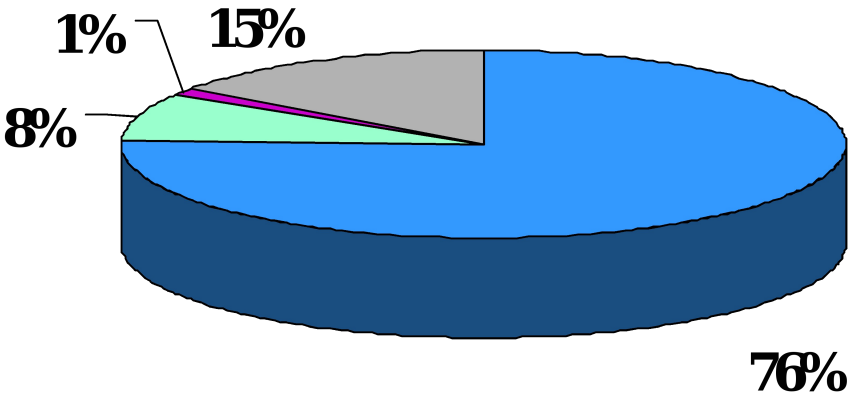
FY 06 Budget
$10,240,927 Received / Carried Over

- Labor $8,103,725
- Mission Travel $410,252
- Contracts $810,721
- MIPRS to Other Dists. $231,570
- Returned or Carried Over $684,659



FY06 Sources of Funding

- HQ USACE $7,747,126
- AEC (Army IRP) $830,349
- HNC (PROSPECT) $127,984
- Districts/Other Federal Agencies $1,535,468



HTRW CX Mission Activities

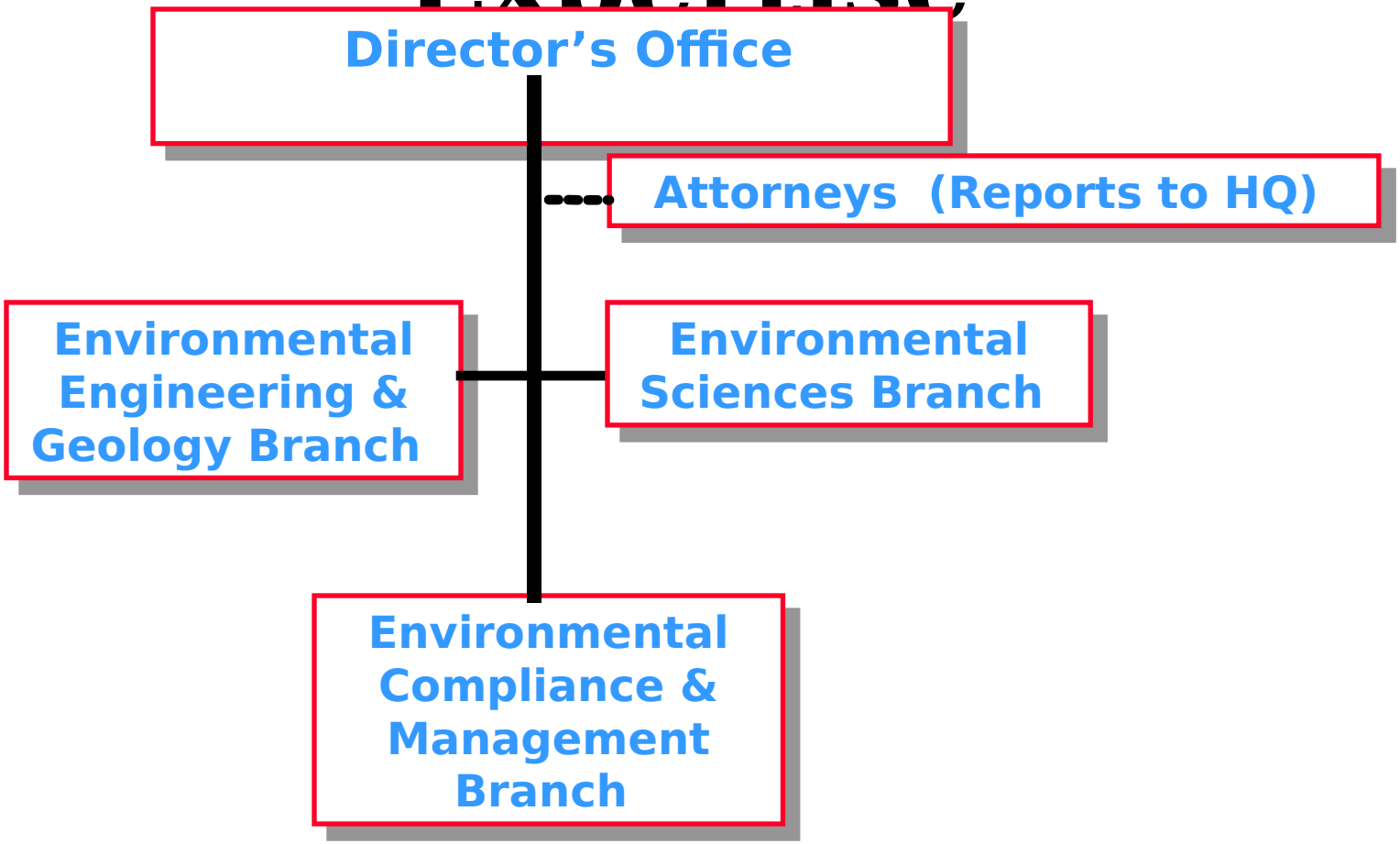
- *Project document reviews*
- *Project specific technical assistance*
  - *Project planning facilitation & technical support*
  - *Project site visits*
- *Technology transfer/ Lessons learned*
- *Guidance document development*
- *Participation on panels and advisory committees*
- *Training*
- *Environmental Program and Project management assistance*

*** We do <u>not</u> execute work at a project level; our primary mission is to technically support*

Evolution of HTRW CX

- *Superfund Design Center - 1982*
- *FUDS Mission - 1984*
- *IRP Mission - 1986*
- *Radioactive/Mixed Waste CX - 1991*
- *HTRW-CX established - 1992*
- *Compliance support - 1993*

HTRW Center of Expertise



HTRW CX Professionals

- ***Chemical Engineers***
- ***Chemists***
- ***Civil Engineers***
- ***Contract Specialists***
- ***Cost Engineers***
- ***Cost Recovery Specialists***
- ***Environmental Engineers***
- ***Funds Managers***
- ***Geologists***
- ***Geotechnical Engineers***
- ***Grants Officer***
- ***Health Physicists***
- ***Hydrogeologists***
- ***Industrial Hygienists***
- ***Innovative Technology Advocate***
- ***Legal Support/Attorneys***
- ***Regulatory Specialists***
- ***Risk Assessors***
- ***Program Support Managers***

Environmental Compliance Expertise

- ***Hazardous waste management and transportation (RCRA and DOT compliant)***
- ***PCB management under TSCA***
- ***Air permitting and regulations***
- ***Water quality compliance; NPDES and SPCC planning and regulations***
- ***ISO and Environmental Mgmt Systems***
- ***Nuclear Regulatory Commission support for radioactive waste compliance***
- ***Underground Storage Tank regulations***
- ***Safe Drinking Water Act provisions***
- ***Emergency Planning & Community Right-To-Know***
- ***International requirements***

Program Support Expertise

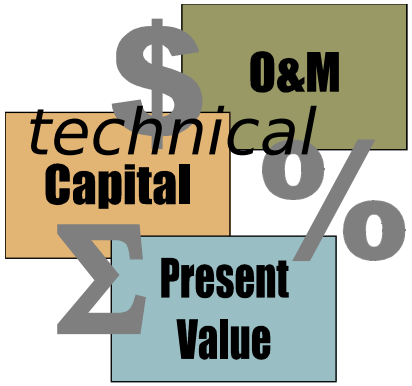
- *Program management support to HQs and AEC in various*

  USACE environmental programs
- *Project support to HQs and districts*
- *DSMOA program management for OSD*
- *Superfund program funds distribution (IAG)*
- *Superfund cost recovery program*
- *PRP program oversight and manageme*
- *CX business management processes*
- *Automated CX systems support*
- *Innovative Technology Advocate (ITA)*

Cost Engineering Expertise

- *Support USACE districts in HTRW cost estimating*
- *Key in developing HTRW cost engineering tools*

  such as RACER, HCAS, MCACES, Cost to Complete
- *Participate on Unit Price Book (UPB) technical team*

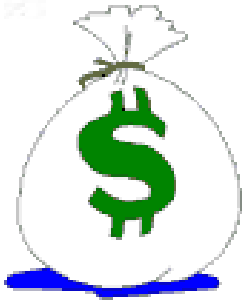


Geoenvironmental & Process Engineering Expertise

- *Geology, Geotechnical & Process Engineering*
- *Site Characterization Strategies/Methods*
- *Containment Technologies*
- *Treatment Technologies*
- *Field Oversight/Troubleshooting*
- *Operations & Maintenance*
- *Optimization Studies*
- *Geostatistics*
- *GIS & Ground Water Modeling*
- *USACE Innovative Technology Program Manager*

Cost Documentation Expertise

Superfund



- ***Prepare site specific files Corps-wide in accordance with EPA Record Keeping Guidance for Federal Agencies***
- ***Manage cost documentation contract***
- ***Perform QA review on all cost packages***
- ***Provide technical assistance on cost documentation and record management procedures***
- ***Testify as an expert witness for Corps costs upon request by USDOJ***
- ***Draft technicalpolicy guidance***
- ***Participate on working committees relevant to program requirements***

Chemistry Expertise

- *Multi-media Environmental Sampling and Analysis*
- *Environmental Monitoring Optimization*
- *Environmental Laboratory Assessment and Audits*
- *Independent Data Set Audits*
- *Electronic Data Management*
- *Statistics for Environmental Projects*
- *Fate and Transport of HTRW Contaminal*
- *Remedial and Industrial Process Chemist*
- *Representation – DOD and Interagency D*
  Quality Workgroups

Environmental Health and Safety Expertise

- ***Worker Health & Safety***
- ***Asbestos and Lead Based Paint Abate***
- ***Ambient Air Pathway Analysis***
- ***Human Health/ Ecological Risk Assessn***
- ***Risk Management/ Risk Communicatio***
- ***Radiation Worker Safety & Monitoring***
- ***Radioactive Waste Remediation and Di***
- ***Nuclear Reactor Decontamination/ Decommissioning***
- ***Systematic Project Planning***

Contracting Expertise

- *HTRW Contracting Support to:*
  - *Districts:*

    Acquisition Strategy Planning, Acquisition Plan Review, Source Selection Plan Development and Processes, Solicitation Review, Review/Analyze Cost Models, Assist Implementation of Post-Award Activities and Administration

  - *Divisions:*

    Staff Assistance Teams, Document Reviews, On-site Support

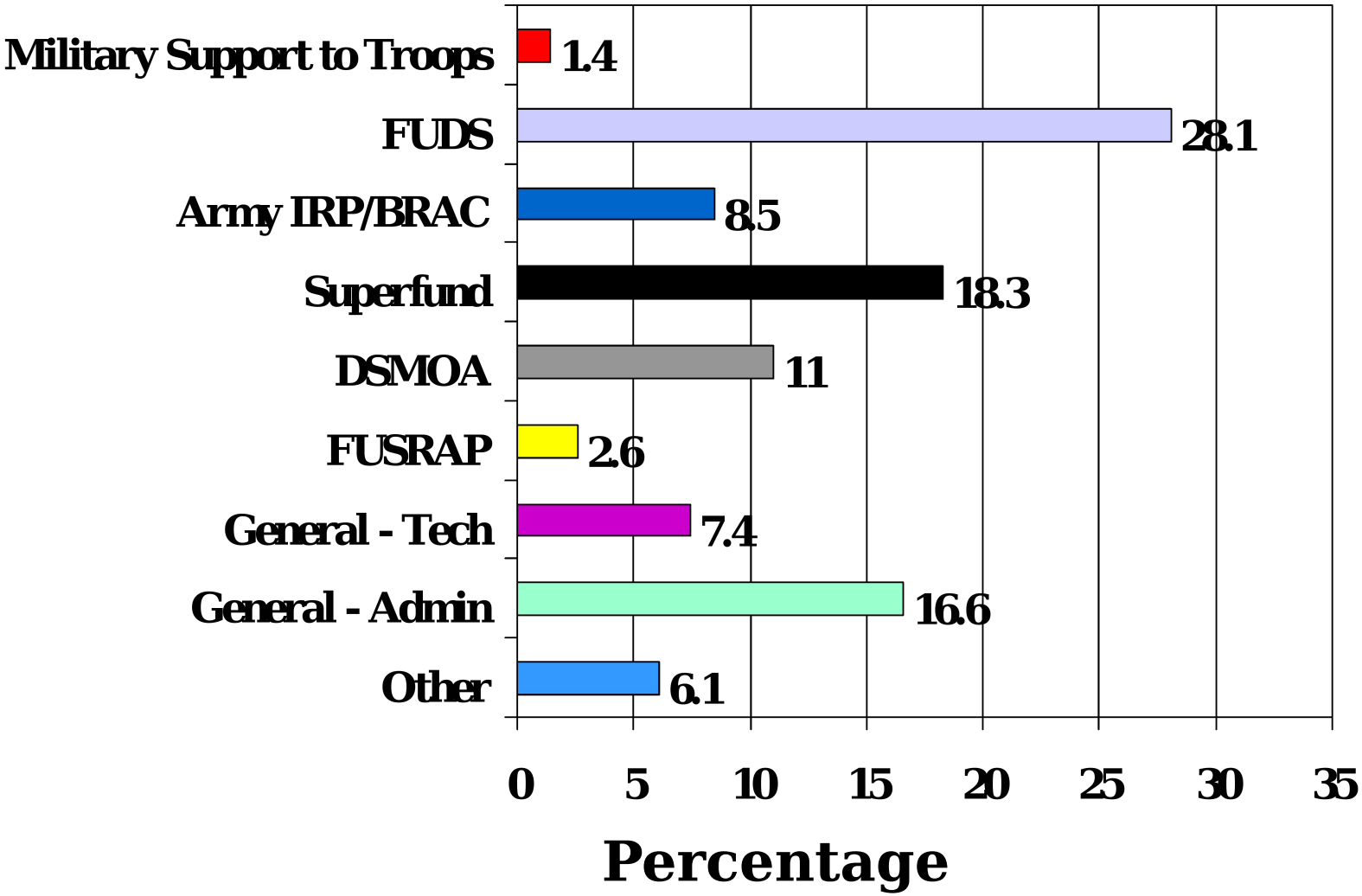
  - *HQUSACE:*

    ***DSMOA Grants Officer**, Study Teams, New Acquisition Strategies Development, Decision Document, Directives, and MOU Reviews*

CX Counsel

- *Legal Support For HTRW Programs*
  - *FUDS, FUSRAP, DSMOA, Civil Works and Support for Others: environmental liability and compliance; project execution legal requirements; regulations, policy and guidance; special program assignments, and training*
- *Requests from Counsel Offices at HQ, Divisions or Districts*
  - *Support on litigations, negotiations, agreements, compliance disputes, decision documents, fiscal issues*
- *HTRW CX Legal Support*
  - *CX Team assistance to projects,Technical document reviews, Proprietary Rights Issues, Contracting*

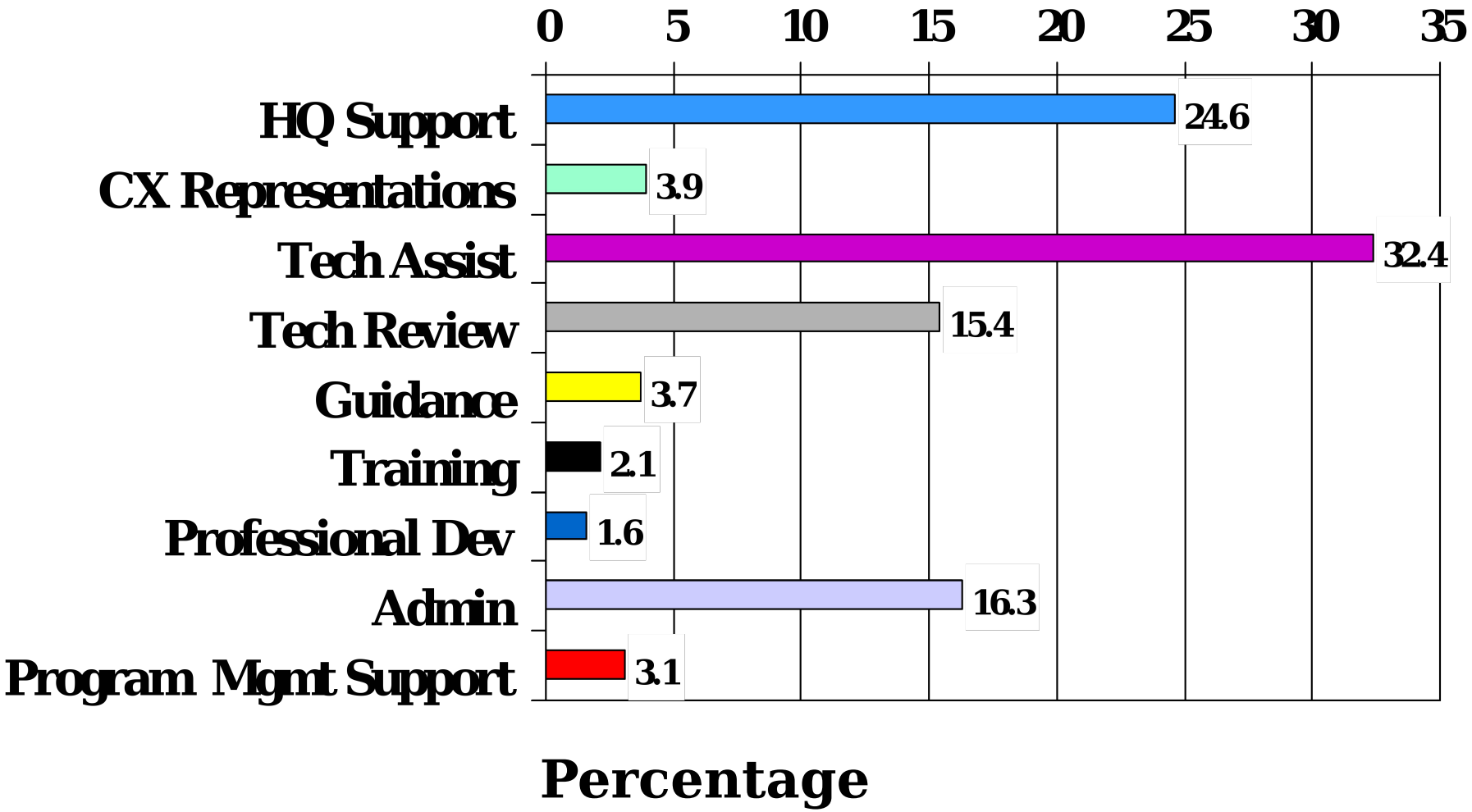
HTRW CX
Workload by Program – FY06



HTRW CX Workload by Program – FY06 Other

- Civil Works = 3.3%
- AF IRP = 0.7%
- AF BRAC = 0.2%
- Military Construction/O&M = 0.3%
- Deactivated Reactor Program = 0.8%
- Other Support for Others = 0.8%

HTRW CX
Workload by Activity – FY06



HTRW CX
Independent Technical Review (ITR)

- *Ensures consistencies within HTRW programs*
  - *Overall project decision-making*
  - *Legal / regulatory sufficiency*
  - *Technical project quality*
- *HTRW project document ITR Criteria for mandatory submission and CX review*
- *CX review comments to be resolved to satisfaction of district & CX*
- *Unresolved comments elevated to MSC/RBC for final action*

HTRW CX
Project ITR Criteria

- *SI – all projects, except FUDS*
- *RI/FS – all NPL, BRAC, FUDS >$2M, all FUSRAP*
- *Decision Documents (Proposed Plans, RODs, Action Memos) – all projects w/RA >$5M, FUDS >$2M, all FUSRAP*
- *RD – all projects w/RA >$5M, all FUSRAP, or Innovative Technologies used*
- *All 5-Year Reviews (FUDS)*
- *Any projects requested by HQ, MSC, districts, or customers*

HTRW CX
"Document Reviews"

FY 05

353 reviews for All Programs

FY 06

477 reviews for All Programs

2002 Customer Survey
HQ USACE

- *14 Respondents*

- *Ratings [1→ 5 (best)]*
  - *Teamwork* *4.8*
  - *Professionalism* *4.8*
  - *Timeliness* *4.4*
  - *Value Added* *4.9*
  - *Overall Quality* *4.9*

2002 Customer Survey District/Division

- *256 Respondents*

- *Ratings [1→ 5 (best)]*
  - *Teamwork* *4.4*
  - *Professionalism* *4.7*
  - *Timeliness* *4.3*
  - *Value Added* *4.4*
  - *Overall Quality* *4.5*

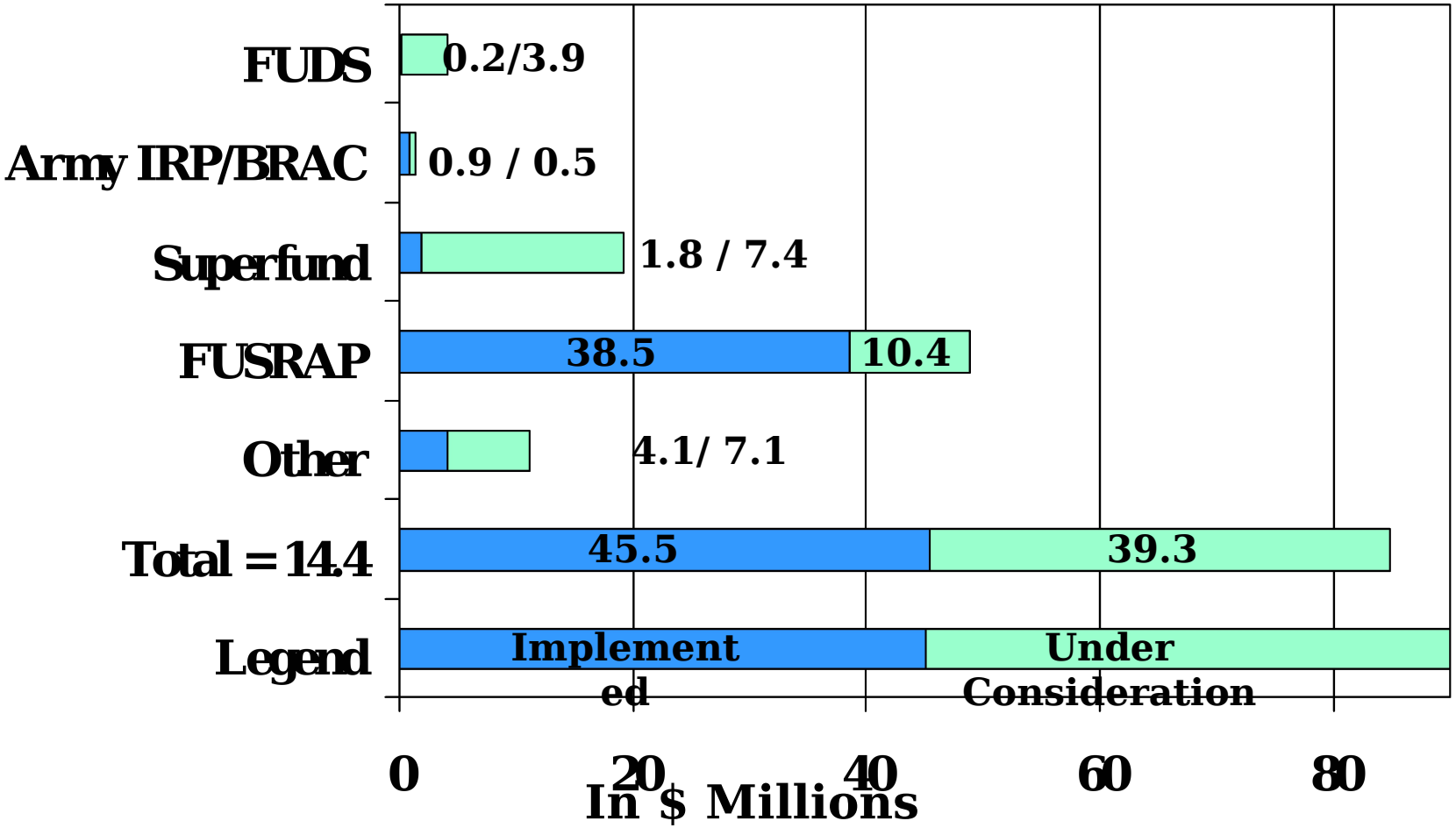
HTRW CX
"Value Added"

"Value Added" *during FY05 = $5.6 M implemented, $8.8 M under consideration*

"Value Added" *during FY06 = $45.5 M implemented, $39.3 M under considerations*

HTRW CX

"Value Added" by Program – FY06



HTRW CX Support to MSCs/RBCs, RITs, and CoPs

- *Assist in resolving Regional technical issues*
- *Perform Independent Technical Review (ITR) of project documents/ decisions*
- *Support RBC in quality assurance role*
- *Support the Regional Technical Specialist (RTS) Program by providing CX technical staff virtually to fill district discipline gaps, as needed*
- *Serve as SMEs to and promote the Environmental and Safety Communities of Practice (ECoP SOH*

HTRW CX POCs for MSCs/RBCs and RITs

- *LRD - (402) 697-2563*
- *MVD - (402) 697-2563*
- *NAD - (402) 697-2563*
- *NWD - (402) 697-2668*
- *POD - (402) 697-2668*
- *SAD - (402) 697-2562*
- *SPD - (402) 697-2668*
- *SWD - (402) 697-2562*
- *HNC - (402) 697-2562*
- *TAC - (402) 697-2562*

- *(CX-District POCs are assigned by district, and are primarily responsible for coordination of CX technical review and technical assistance activities with the respective district.)*

HTRW CX
POCs for Program Support

- *FUDS – (402) 697-2620*
- *DSMOA – (402) 697-2630*
- *Superfund – (402) 697-2624*
- *FUSRAP – (402) 697-2624*
- *Army IRP – (402) 697-2626*
- *Army BRAC –*
- *Superfund IAG's – (402) 697-2425*
- *Document Review – (402) 697-2631*
- *FUDS PRP – (402) 697-2619*

In Summary - The HTRW CX …

- *Is a one-stop center for environmental remediation and compliance needs.*

- *Offers a unique technical service to the Corps, the Army, and other customers, by staying on the cutting edge of the environmental field.*

- *Consists of diversified, experienced, and trained professionals who provide the highest degree of support.*

HTRW Center of Expertise

- *All Hazardous, Toxic, & Radioactive Waste*
- *Nationwide*
- *Omaha, NE*
- *Dr. Marcia Davies, Director, (402) 697-2555*
- *www.environmental.usace.army.mil*